

Attorney Docket No. 8793-53427

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE PATENT APPLICATION OF: Gal Shaferstein, Scott L. Ferguson, Louis M. Fink, Paula E. North and Milton Waner

Appl. No.: 10/816,016

Group Art Unit: 3724

Filed: 04/01/2004

Examiner:

For: Apparatus for Automated Fresh Tissue Sectioning

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**INFORMATION DISCLOSURE STATEMENT**

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

Some of the documents attached hereto may have markings thereon. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, an admission that the material cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. A list of the patents and other documents which accompanies this statement is set forth on the attached modification of Forms

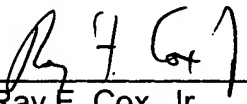
PTO/SB/08A and 08B. A copy of each of the items on the attached list is supplied herewith.

The present application has the filing date of April 1, 2004. Only the years of publication of Cite Nos. BG, BI, BN, BP, BQ and BR are supplied herewith, however the date of publication of these citations are sufficiently earlier than the effective filing date so that the particular month of publication is not in issue.

The person making this statement is the attorney who signs below on the basis of information in the attorney's file.

Respectfully submitted,

Date: August 30, 2004  
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First Named Inventor	Shafirstein, G.
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	BA	AL-AMOUDI, A., et al., Amorphous solid water produced by cryosectioning of crystalline ice at 113 K. Journal of Microscopy 207(Pt 2): 146-53, August 2002.	
	BB	BURNS, R., et al., Electrosurgical skin resurfacing: a new bipolar instrument. Dermatol Surg 25(7): 582-6, July 1999.	
	BC	CHINPAIROJ, S., et al. A comparison of monopolar electrosurgery to a new multipolar electrosurgical system in a rat model. Laryngoscope 111(2): 213-7, February 2001.	
	BD	DUFFY, S. The tissue and thermal effects of electrosurgery in the uterine cavity. Bailliere's Clinical Obstetrics and Gynaecology 9(2): 261-77, June 1995.	
	BE	DUFFY, S., et al. In-vivo studies of uterine electrosurgery. British Journal of Obstetrics and Gynaecology 99(7): 579-82, July 1992.	
	BF	FINK, L., et al. Real-time quantitative RT-PCR after laser-assisted cell picking. Nature Medicine 4(11): 1329-33, November 1998.	
	BG	GHOSH, F., et al. Partial and full-thickness neuroretinal transplants. Exp Eye Res 68(1): 67-74, 1999.	
	BH	HALBHUBER, K., et al. Modern laser scanning microscopy in biology, biotechnology and medicine. Annals of Anatomy 185(1): 1-20, January 2003.	
	BI	KAN, R., et al. Free-floating cryostat sections for immunoelectron microscopy: Bridging the gap from light to electron microscopy. Microscopy Research and Technique 54(4): 246-53, 2001.	
	BJ	KENNY-MOYNIHAN, M, et al. Immunohistochemical and In Situ Hybridization Techniques. Advanced Diagnostic Methods in Pathology, 91-118, 2002.	
	BK	PROTHERO, J., et al., Three-Dimensional Reconstruction from Serial Sections, Computers and Biomedical Research 19(4), 361-373, August 1986.	
	BL	New Products, Oscillating Tissue Slicer, Science, Vol. 300, June 6, 2003, p. 1588.	
	BM	NORTH, P., et al. A unique microvascular phenotype shared by juvenile hemangiomas and human placenta. Arch Dermatol 137(5): 559-70, May 2001.	
	BN	SALLEE, C., et al. Embedding of neural tissue in agarose or glyoxyl agarose for vibratome sectioning. Biotechnic & Histochemistry 68(6): 360-8, 1993.	

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	BO	SHAFIRSTEIN, G., et al. A new mathematical approach to the diffusion approximation theory for selective photothermolysis modeling and its implication in laser treatment of port-wine stains, Lasers in Surgery and Medicine 34: 335-347, published online April 6, 2004.	
	BP	STUART, D., et al. Embedding, sectioning, immunocytochemical and stereological methods that optimise research on the lesioned adult rat spinal cord. Journal of Neuroscience Methods 61(1-2): 5-14, 1995.	
	BQ	VALVANO, J. W. AND J. PEARCE. Temperature measurements. Optical-thermal response of laser-irradiated tissue. New York, Plenum Press, 489-534, 1995.	
	BR	VON MALTZAHN, W., et al., Electrosurgical Devices, in <u>The Biomedical Engineering Handbook</u> , Bronzino, J., ed., CRC Press, IEEE Press, Boca Raton, Florida, 1292-1300, 1995.	
	BS	Website, <a href="http://www.che.utoledo.edu">http://www.che.utoledo.edu</a> , What is an Atomic Force Microscope, The University of Toledo, Toledo, Ohio, printed from website March 24, 2003, 2 pages.	
	BT	Website, <a href="http://www.sst.ph.ic.ac.uk">http://www.sst.ph.ic.ac.uk</a> , The Atomic Force Microscope (AFM), Imperial College, London, UK, printed from website March 24, 2003, 2 pages.	
	BU	Website, <a href="http://www.panasonicfa.com">http://www.panasonicfa.com</a> , Micro EDM Products, Panasonic Factory Automation Company, Elgin, Illinois, printed from website March 24, 2003, 3 pages.	
	BV	Website, <a href="http://www.emsdiasum.com/ems/equipment/tissue_slicer.html">http://www.emsdiasum.com/ems/equipment/tissue_slicer.html</a> , EMS 400 Automatic Oscillating Tissue Slicer with Built-In Refrigeration, Electron Microscopy Sciences, Hatfield, Pennsylvania, at least as early as August 2003, 7 pages.	
	BW	MCLEAN, M., et al., Three-Dimensional Reconstructions from Serial Sections, V. Calibration of Dimensional Changes Incurred During Tissue Preparation and Data Processing, Analytical and Quantitative Cytology and Histology 13(4), 269-278, August 1991.	

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